

BRUHAT BANGALORE MAHANAGARA PALIKE
NAME OF WORK:-Improvements to Roads and Drains at Jakkur and Srirampura Surrounding Area in Ward No 05 (Jakkur)
Byatarayanapura Sub Division

MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	FIRST AND FINAL BILL			Depth (m)	Quantity	Rate in RS.	Amount in RS.
From	To				Length (m)	Breadth					
						B1	B2				
Item No.1		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum								
		Vide Total executed Quantity from premeasuremet Page no. 1 to 2						420.23			
		Total Executed Quantity						420.23			
		Tender Quantity						425.11			
		Now To be Paid Quantity						420.23	217.92		91577.00
Item No.2		Removing and refixing stone slabs of drains and pointing in CM (1:3) and as per the directions of the Engineer-in-charge of the work	Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 03						171.54			
		Total Executed Quantity						171.54			
		Tender Quantity						171.61			
		Now To be Paid Quantity						171.54	116.83		20042.00
Item No.3		Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		Telecom Layout									
		15th Cross Road									
		LHS (west Side)									
		From Dead End To 2nd Main Road									
0	3		Sqm	1	3.00	1.80	1.80	1.80	5.40		
9	15		Sqm	1	6.00	1.80	1.80	1.80	10.80		
77	82		Sqm	1	5.00	1.80	1.80	1.80	9.00		
93	100		Sqm	1	7.00	1.80	1.80	1.80	12.60		
113	119		Sqm	1	6.00	1.80	1.80	1.80	10.80		
137	148.6		Sqm	1	11.60	1.80	1.80	1.80	20.88		
170	176		Sqm	1	6.00	1.80	1.80	1.80	10.80		
202	209.7		Sqm	1	7.70	1.80	1.80	1.80	13.86		
		RHS (East Side)									
		From 2nd Main Road To Dead End									
11	20		Sqm	1	9.00	1.80	1.80	1.80	16.20		
36	48		Sqm	1	12.00	1.80	1.80	1.80	21.60		
76.2	89		Sqm	1	12.80	1.80	1.80	1.80	23.04		
102	111		Sqm	1	9.00	1.80	1.80	1.80	16.20		
122	130		Sqm	1	8.00	1.80	1.80	1.80	14.40		
201	216		Sqm	1	5.00	1.80	1.80	1.80	9.00		
		16th Cross Road									
		Fro 15th Cross Road to Swd Drain									
0	9		Sqm	1	9.00	1.80	1.80	1.80	16.20		
12	17		Sqm	1	5.00	1.80	1.80	1.80	9.00		
54	68		Sqm	1	14.00	1.80	1.80	1.80	25.20		
		Total Executed Quantity						244.98			
		Tender Quantity						245.16			
		Now To be Paid Quantity						244.98	778.88		190811.00



Assistant Engineer

Asst. Executive Engineer
 Project Division

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length			Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.
From	To				(m)	B1	B2	Avg B						
Item No.4		Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work												
		Cum												
Vide Total executed Quantity from premeasuremet Page no. 04											45.94			
Total Executed Quantity											45.94			
Tender Quantity											41.58			
Now To be Paid Quantity											45.94			
Quantity Limited To											41.58	5691.37	236648.00	
Item No.5		Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs. With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centering shuttering, cost of materials, HOM of Machinery, Curing Etc., Complete Excluding cost of Steel as per specification and as per the directions of the Engineer-in-charge of the work												
Measurements taken on														
		Bottom raft												
		Telecom Layout												
		13th Cross road												
		LHS (East Side)												
		From Dead End To 2nd main Road												
15.5	28.4	Bs Slab	Cum	1	15.50	0.90	0.90	0.90	0.15	2.09				
28.4	39.9	Bs Slab	Cum	1	12.90	0.90	0.90	0.90	0.15	1.74				
39.9	60		Cum	1	11.50	0.90	0.90	0.90	0.15	1.55				
60	75		Cum	1	20.10	0.90	0.90	0.90	0.15	2.71				
75	90		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03				
90	101.3		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03				
			Cum	1	11.30	0.90	0.90	0.90	0.15	1.53				
		RHS (West Side)												
		From 2nd main Road To Dead End												
15	30		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03				
30	45.9		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03				
45.9	46.7	One Side Wall	Cum	1	15.90	0.90	0.90	0.90	0.15	2.15				
46.7	54.1	Culvert	Cum	1	0.80	0.90	0.90	0.90	0.15	0.11				
54.1	60		Cum	1	0.00	0.00	0.00	0.00	0.15	0.00				
60	73.5		Cum	1	5.90	0.90	0.90	0.90	0.15	0.80				
73.5	88.5		Cum	1	13.50	0.90	0.90	0.90	0.15	1.82				
88.5	99.2		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03				
99.2			Cum	1	10.70	0.90	0.90	0.90	0.15	1.44				
		9th Cross Road												
		RHS (West Side)												
		From 2nd Main Road To #65/A Sai Nilaya												
15	30		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48				
30	45		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48				
45	60		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48				
60	65		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48				
65			Cum	1	5.00	1.10	1.10	1.10	0.15	0.83				



Assistant Engineer

Asst. Executive Engineer
Project Division

FIRST AND FINAL BILL



Assistant Engineer

Assistant Executive Engineer
Project Division

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length		Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.
From	To				(m)		B1	B2	Avg B				
Item No.7		Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,complete. and as per the directions of the Engineer-in-charge of the work											
Measurements taken on													
		Telecom Layout											
		13th Cross road											
		LHS (East Side)											
		From Dead End To 2nd main Road											
0	15.5	Bs Slab	Sqm	1	15.50	0.90	0.90	0.90			13.95		
15.5	28.4		Sqm	1	12.90	0.90	0.90	0.90			11.61		
28.4	39.9	Bs Slab	Sqm	1	11.50	0.90	0.90	0.90			10.35		
39.9	60		Sqm	1	20.10	0.90	0.90	0.90			18.09		
60	75		Sqm	1	15.00	0.90	0.90	0.90			13.50		
75	90		Sqm	1	15.00	0.90	0.90	0.90			13.50		
90	101.3		Sqm	1	11.30	0.90	0.90	0.90			10.17		
		RHS (West Side)											
		From 2nd main Road To Dead End											
0	15		Sqm	1	15.00	0.90	0.90	0.90			13.50		
15	30		Sqm	1	15.00	0.90	0.90	0.90			13.50		
30	45.9		Sqm	1	15.90	0.90	0.90	0.90			14.31		
45.9	46.7	One Side Wall	Sqm	1	0.80	0.90	0.90	0.90			0.72		
46.7	54.1	Culvert	Sqm	1	0.00	0.90	0.90	0.90			0.00		
54.1	60		Sqm	1	5.90	0.90	0.90	0.90			5.31		
60	73.5		Sqm	1	13.50	0.90	0.90	0.90			12.15		
73.5	88.5		Sqm	1	15.00	0.90	0.90	0.90			13.50		
88.5	99.2		Sqm	1	10.70	0.90	0.90	0.90			9.63		
		9th Cross Road											
		RHS (West Side)											
		From 2nd Main Road To #65/A Sai Nilaya											
0	15		Sqm	1	15.00	0.90	0.90	0.90			13.50		
15	30		Sqm	1	15.00	0.90	0.90	0.90			13.50		
30	45		Sqm	1	15.00	0.90	0.90	0.90			13.50		
45	60		Sqm	1	15.00	0.90	0.90	0.90			13.50		
60	65		Sqm	1	5.00	0.90	0.90	0.90			4.50		
		Telecom Layout											
		15th Cross Road											
		LHS (west Side)											
		From Dead End To 2nd Main Road											
0	15		Sqm	1	15.00	1.20	1.20	1.20			18.00		
15	22.6		Sqm	1	7.60	1.20	1.20	1.20			9.12		
22.6	35.6		Sqm	1	13.00	0.90	0.90	0.90			11.70		
35.6	48.8	Road Break	Sqm	0	13.20						0.00		
48.8	60		Sqm	1	11.20	1.20	1.20	1.20			13.44		
60	72.7	Bs Slab	Sqm	0	12.70	1.20	1.20	1.20			0.00		
72.7	85		Sqm	1	12.30	1.20	1.20	1.20			14.76		
85	100	Bs Slab	Sqm	0	15.00	1.20	1.20	1.20			0.00		
100	109.3	Bs Slab	Sqm	0	9.30	1.20	1.20	1.20			0.00		
109.3	121.9		Sqm	1	12.60	1.20	1.20	1.20			15.12		
121.9	134.4	Bs Slab	Sqm	0	12.50	1.20	1.20	1.20			0.00		
134.4	149.4		Sqm	1	15.00	1.20	1.20	1.20			18.00		
149.4	159		Sqm	1	9.60	1.20	1.20	1.20			11.52		
159	171.6	Bs Slab	Sqm	0	12.60	1.20	1.20	1.20			0.00		
171.6	182.3	Road Break	Sqm	0	10.70	1.20	1.20	1.20			0.00		



12/3/24
Assistant Engineer

Asst. Executive Engineer
Project Division
Zone

**MEASUREMENT SHEET
FIRST AND FINAL BILL**

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.
From	To					B1	B2	Avg B				
182.3	197.3		Sqm	1	15.00	1.20	1.20	1.20		18.00		
197.3	212.3		Sqm	1	15.00	1.20	1.20	1.20		18.00		
212.3	218.4		Sqm	1	6.10	1.20	1.20	1.20		7.32		
		RHS (East Side)										
		From 2nd Main Road To Dead End										
0	11		Sqm	1	11.00	1.20	1.20	1.20		13.20		
11	23.5	Bs Slab	Sqm	0	12.50	1.20	1.20	1.20		0.00		
23.5	38.5		Sqm	1	15.00	1.20	1.20	1.20		18.00		
38.5	53.5		Sqm	1	15.00	1.20	1.20	1.20		18.00		
53.5	60.5		Sqm	1	7.00	1.20	1.20	1.20		8.40		
60.5	61.9	No Work (Swd Drain)	Sqm	0	1.40	1.20	1.20	1.20		0.00		
61.9	76.9		Sqm	1	15.00	1.20	1.20	1.20		18.00		
76.9	91.9		Sqm	1	15.00	1.20	1.20	1.20		18.00		
91.9	106.9		Sqm	1	15.00	1.20	1.20	1.20		18.00		
106.9	111.7		Sqm	1	4.80	1.20	1.20	1.20		5.76		
111.7	114	No Work	Sqm	0	2.30	1.20	1.20	1.20		0.00		
114	132.2		Sqm	1	18.20	1.20	1.20	1.20		21.84		
132.2	145.2	Bs Slab	Sqm	0	13.00	1.20	1.20	1.20		0.00		
145.2	160.2		Sqm	1	15.00	1.20	1.20	1.20		18.00		
160.2	168.4		Sqm	1	8.20	1.20	1.20	1.20		9.84		
168.4	182.8	Road Break	Sqm	0	14.40	1.20	1.20	1.20		0.00		
182.8	184.8	No Work	Sqm	0	2.00	1.20	1.20	1.20		0.00		
184.8	199.8		Sqm	1	15.00	1.20	1.20	1.20		18.00		
199.8	214.8		Sqm	1	15.00	1.20	1.20	1.20		18.00		
214.8	218.3		Sqm	1	3.50	1.20	1.20	1.20		4.20		
		16th Cross Road										
		Fro 15th Cross Road to Swd Drain										
0	15		Sqm	1	15.00	1.80	1.80	1.80		27.00		
15	30		Sqm	1	15.00	1.80	1.80	1.80		27.00		
30	42.6		Sqm	1	12.60	1.80	1.80	1.80		22.68		
42.6	57.6		Sqm	1	15.00	1.20	1.20	1.20		18.00		
57.6	72.6		Sqm	1	15.00	1.20	1.20	1.20		18.00		
72.6	87.6		Sqm	1	15.00	1.20	1.20	1.20		18.00		
87.6	89.7		Sqm	1	2.10	1.20	1.20	1.20		2.52		
Total Executed Quantity										727.71		
Tender Quantity										608.40		
Now to be paid Quantity										727.71		
Quantity Limited To										608.40	2453.15	14624.40
Item No.8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, load and lift,transportation etc ,complete.and as per the directions of the Engineer-in-charge of the work											
Measurements taken on												
	Telecom Layout											
	13th Cross Road											
		Sqm	1	7.40	1.20	1.20	1.20			8.88		
Total Executed Quantity										8.88		
Tender Quantity										9.00		
Now to be paid Quantity										8.88	5487.27	9542.40
Item No.9	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggretes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cm. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work											
		Cum										
	Vide Total executed Quantity from premeasuremet Page no. 06 to 08										34.54	
Total Executed Quantity										34.54		
Tender Quantity										31.78		
Now to be paid Quantity										34.54		
Quantity Limited To										31.78	9622.96	9722.40

Contractor



Assistant Engineer

Asst. Executive Engineer
Project Division

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.
From	To					B1	B2	Avg B				
Item No.10		Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Telecom Layout										
		15th Cross Road										
		LHS (west Side)										
		From Dead End To 2nd Main Road										
0	15		Sqm	2	15.00				0.60	18.00		
15	22.6		Sqm	2	7.60				0.60	9.12		
22.6	35.6		Sqm	2	13.00				0.60	15.60		
35.6	48.8	Road Break	Sqm	0	13.20				0.60	0.00		
48.8	60		Sqm	2	11.20				0.60	13.44		
60	72.7	Bs Slab	Sqm	2	12.70				0.60	15.24		
72.7	85		Sqm	2	12.30				0.60	14.76		
85	100	Bs Slab	Sqm	2	15.00				0.60	18.00		
100	109.3	Bs Slab	Sqm	2	9.30				0.60	11.16		
109.3	121.9		Sqm	2	12.60				0.60	15.12		
121.9	134.4	Bs Slab	Sqm	0	12.50				0.60	0.00		
134.4	149.4		Sqm	2	15.00				0.60	18.00		
149.4	159		Sqm	2	9.60				0.60	11.52		
159	171.6	Bs Slab	Sqm	0	12.60				0.60	0.00		
171.6	182.3	Road Break	Sqm	0	10.70				0.60	0.00		
182.3	197.3		Sqm	2	15.00				0.60	18.00		
197.3	212.3		Sqm	2	15.00				0.60	18.00		
212.3	218.4		Sqm	2	6.10				0.60	7.32		
		RHS (East Side)										
		From 2nd Main Road To Dead End										
0	11		Sqm	2	11.00				0.60	13.20		
11	23.5	Bs Slab	Sqm	0	12.50				0.60	0.00		
23.5	38.5		Sqm	2	15.00				0.60	18.00		
38.5	53.5		Sqm	2	15.00				0.60	18.00		
53.5	60.5		Sqm	2	7.00				0.60	8.40		
60.5	61.9	No Work (Swd Drain)	Sqm	0	1.40				0.60	0.00		
61.9	76.9		Sqm	2	15.00				0.60	18.00		
76.9	91.9		Sqm	2	15.00				0.60	18.00		
91.9	106.9		Sqm	2	15.00				0.60	18.00		
106.9	111.7		Sqm	2	4.80				0.60	5.76		
111.7	114	No Work	Sqm	0	2.30				0.60	0.00		
114	132.2		Sqm	2	18.20				0.60	21.84		
132.2	145.2	Bs Slab	Sqm	0	13.00				0.60	0.00		
145.2	160.2		Sqm	2	15.00				0.60	18.00		
160.2	168.4		Sqm	2	8.20				0.60	9.84		
168.4	182.8	Road Break	Sqm	0	14.40				0.60	0.00		
182.8	184.8	No Work	Sqm	0	2.00				0.60	0.00		
184.8	199.8		Sqm	2	15.00				0.60	18.00		
199.8	214.8		Sqm	2	15.00				0.60	18.00		
214.8	218.3		Sqm	2	3.50				0.60	4.20		
		16th Cross Road										
		Fro 15th Cross Road to Swd Drain										
0	15		Sqm	2	15.00				0.60	18.00		
15	30		Sqm	2	15.00				0.60	18.00		
30	42.6		Sqm	2	12.60				0.60	15.12		



Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.
From	To					B1	B2	Avg B				
42.6	57.6		Sqm	2	15.00				0.60	18.00		
57.6	72.6		Sqm	2	15.00				0.60	18.00		
72.6	87.6		Sqm	2	15.00				0.60	18.00		
87.6	89.7		Sqm	2	2.10				0.60	2.52		
Total Executed Quantity										518.16		
Tender Quantity										509.20		
Now to be paid Quantity										518.16		
Quantity Limited To										509.20	1028.12	523519.00
Item No.11	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work											
			Sqm									
Vide Total executed Quantity from premeasuremet Page no. 09										3605.06		
Total Executed Quantity										3605.06		
Tender Quantity										3409.70		
Now to be paid Quantity										3605.06		
Quantity Limited To										3409.70	43.39	147947.00
Item no.12	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. and as per the directions of the Engineer-in-charge of the work											
			Sqm									
Vide Total executed Quantity from premeasuremet Page no. 10										3605.06		
Total Executed Quantity										3605.06		
Tender Quantity										3409.70		
Now to be paid Quantity										3605.06		
Quantity Limited To										3409.70	6.68	22777.00
Item no.13	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work											
			Cum									
Vide Total executed Quantity from premeasuremet Page no. 11										125.13		
Total Executed Quantity										125.13		
Tender Quantity										119.88		
Now to be paid Quantity										125.13		
Quantity Limited To										119.88	2094.07	251038.00
Item no.14	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work											
			Cum									
Vide Total executed Quantity from premeasuremet Page no. 12										829.16		
Total Executed Quantity										829.16		
Tender Quantity										784.23		
Now to be paid Quantity										829.16		
Quantity Limited To										784.23	2100.74	1647464.00
Item No.15	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications. and as per the directions of the Engineer-in-charge of the work											
			Sqm									
Vide Total executed Quantity from premeasuremet Page no. 13										3605.06		
Total Executed Quantity										3605.06		
Tender Quantity										3409.70		
Now to be paid Quantity										3605.06		
Quantity Limited To										3409.70	23.37	79685.00



Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division

MEASUREMENT SHEET												
FIRST AND FINAL BILL												
Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Rate in	Amount in
From	To				(m)	B1	B2	Avg B	(m)		RS.	RS.
Item No.16		Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work										
			Sqm									
		Vide Total executed Quantity from premeasuremet Page no. 14								3605.06		
Total Executed Quantity										3605.06		
Tender Quantity										3525.20		
Now to be paid Quantity										3605.06		
Quantity Limited To										3525.20	31.16	109846.00
Item No.17		Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications and as per the directions of the Engineer-in-charge of the work										
			Cum									
		Vide Total executed Quantity from premeasuremet Page no. 15								180.25		
Total Executed Quantity										180.25		
Tender Quantity										176.26		
Now to be paid Quantity										180.25		
Quantity Limited To										176.26	6726.16	118553.00
Item No.18		Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work										
			Sqm									
		Vide Total executed Quantity from premeasuremet Page no. 16 & 17								4172.29		
Total Executed Quantity										4172.29		
Tender Quantity										4179.70		
Now to be paid Quantity										4172.29	5.56	23198.00
Item No.19		Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work										
			Sqm									
		Vide Total executed Quantity from premeasuremet Page no. 18 & 19								4172.29		
Total Executed Quantity										4172.29		
Tender Quantity										4179.70		
Now To be Paid Quantity										4172.29	13.35	55701.00
Item No.20		Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Telecom Layout										
		13th Cross Road										
		From 2nd main Road To Dead End										
0	15		Cum	1	15.00	7.40	7.35	7.38	0.04	4.43		
15	30		Cum	1	15.00	7.35	7.40	7.38	0.04	4.43		
30	45		Cum	1	15.00	7.40	7.60	7.50	0.04	4.50		
45	60		Cum	1	15.00	7.60	7.40	7.50	0.04	4.50		
60	75		Cum	1	15.00	7.40	7.35	7.38	0.04	4.43		
75	90		Cum	1	15.00	7.35	6.50	6.93	0.04	4.16		
90	105		Cum	1	15.00	6.50	6.43	6.47	0.04	3.88		
105	116		Cum	1	11.00	6.43	6.85	6.64	0.04	2.92		
116	116.6		Cum	1	0.60	5.80	5.60	5.70	0.04	0.14		

Contractor



Assistant Engineer

Asst. Executive Engineer
Project Division
Kalyanka Zone

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.
						B1	B2	Avg B				
		15th Cross Road										
		From 2nd Main Road To Dead End										
0	15		Cum	1	15.00	11.10	11.20	11.15	0.04	6.69		
15	27.6		Cum	1	12.60	11.20	10.40	10.80	0.04	5.44		
27.6	45		Cum	1	17.40	11.20	11.20	11.20	0.04	7.80		
45	60		Cum	1	15.00	11.20	11.20	11.20	0.04	6.72		
60	75		Cum	1	15.00	11.20	11.30	11.25	0.04	6.75		
75	89		Cum	1	14.00	11.30	11.10	11.20	0.04	6.27		
89	99.8		Cum	1	10.80	10.60	10.50	10.55	0.04	4.56		
99.8	120		Cum	1	20.20	11.30	11.40	11.35	0.04	9.17		
120	131.7		Cum	1	11.70	11.40	11.30	11.35	0.04	5.31		
131.7	137.6		Cum	1	5.90	10.70	9.50	10.10	0.04	2.38		
137.6	152.3		Cum	1	14.70	10.20	10.40	10.30	0.04	6.06		
152.3	176.4		Cum	1	24.10	11.10	11.60	11.35	0.04	10.94		
176.4	185.6		Cum	1	9.20	13.90	14.00	13.95	0.04	5.13		
185.6	187.9		Cum	1	2.30	10.30	9.90	10.10	0.04	0.93		
187.9	200		Cum	1	12.10	11.20	11.20	11.20	0.04	5.42		
200	223.1		Cum	1	23.10	11.20	11.30	11.25	0.04	10.40		
		13th Cross Road										
		From 2nd Main Road To Dead End										
0	20.9		Cum	1	20.90	5.20	4.90	5.05	0.04	4.22		
20.9	72.6	No work	Cum	0	51.70	0.00	0.00	0.00	0.04	0.00		
72.6	82		Cum	1	9.40	5.50	5.00	5.25	0.04	1.97		
82	136.8	No work	Cum	0	54.80	0.00	0.00	0.00	0.04	0.00		
136.8	160		Cum	1	23.20	5.50	5.55	5.53	0.04	5.13		
160	175		Cum	1	15.00	5.55	5.50	5.53	0.04	3.32		
175	190		Cum	1	15.00	5.50	5.60	5.55	0.04	3.33		
190	205		Cum	1	15.00	5.60	4.50	5.05	0.04	3.03		
205	214.5		Cum	1	9.50	4.50	4.40	4.45	0.04	1.69		
		12th Cross Road										
		From 2nd Main road To Dead End										
0	15		Cum	1	15.00	5.70	5.20	5.45	0.04	3.27		
15	24.1		Cum	1	9.10	5.20	5.10	5.15	0.04	1.87		
24.1	40		Cum	1	15.90	5.60	5.60	5.60	0.04	3.56		
40	49.9		Cum	1	9.90	5.60	5.30	5.45	0.04	2.16		
Total Executed Quantity										166.89		
Tender Quantity										167.19		
Now To be Paid Quantity										166.89	7912.28	1320492.00
Item No.21	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and as per the directions of the Engineer-in-charge of the											
Measurements taken on												
		Telecom Layout										
		13th Cross Road										
		From 2nd main Road To Dead End										
		Edge Line										
0	116.6		Sqm	2	116.60	0.10	0.10	0.10		23.32		
		15th Cross Road										
		From 2nd Main Road To Dead End										
		Edge Line										
0	223.1		Sqm	2	223.10	0.15	0.15	0.15		66.93		
		Centre Line										
0	223.1		Sqm	0.5	223.10	0.15	0.15	0.15		16.73		

Contractor



Assistant Engineer

Asst. Executive Engineer
 Project Division
 Yelahanka Zone

MEASUREMENT SHEET												
FIRST AND FINAL BILL												
Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Rate in RS.	Amount in RS.
From	To				(m)	B1	B2	Avg B	(m)			
		12th Cross Road										
		From 2nd Main road To Dead End										
0	49.9		Sqm	2	49.90	0.10	0.10	0.10		9.98		
Total Executed Quantity										116.96		
Tender Quantity										119.50		
Now To be Paid Quantity										116.96	477.34	55831.00
Sub Total											8786131.00	
For 12% Applicable GST											1054336.00	
Total Amount											9840467.00	

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CIVIL PTO
Sig.....
Date.....
BANGALORE

Contractor

Assistant Engineer

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Asst. Executive Engineer
Asst. Division